WHAT IS CLAIMED IS:

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1. A magnetic recording medium having a 55 nm or less thickness magnetic layer formed on a major surface of an elongated nonmagnetic support by performing a vacuum thin film forming technique, said magnetic recording medium being slid over a magnetoresistive effect magnetic head or a giant magnetoresistive effect head to reproduce a signal,

wherein an angle θ which is formed by a growth direction of magnetic particles in a columnar structure in a longitudinal cross-section of said magnetic layer and a normal to a longitudinal direction of said nonmagnetic support, satisfies the following relation:

 θ i - θ f \leq 25°.

where θ i is an angle of θ in an initial growth portion of said magnetic layer, and θ f is an angle of θ in a final growth portion of said magnetic layer.